LCSA STANDARD NOTES:

- 1. All water mains must be constructed in accordance with the current LCSA Standards and Specifications, except as noted.
- 2. No blasting is permitted.
- 3. Water services must maintain a minimum of 6-foot horizontal separation from sanitary laterals.
- 4. All LCSA water main easements are 10 feet, unless otherwise noted.
- 5. Water mains traversing lot lines must maintain a minimum 15—foot horizontal separation from proposed or existing buildings, unless prior permission is granted by LCSA.
- 6. All hydrants and meter crocks must maintain 5 feet horizontal separation from edge of driveway aprons.
- 7. Landscaping is not permitted within LCSA easements, or within 5 feet of fire hydrants and meter crock locations.
- 8. All water mains must be Class 52 ductile iron pipe, unless otherwise noted.
- 9. A 2-inch detectable marking tape must be placed above all water mains outside of pavement.

GENERAL NOTES:

- 1. Test Pressure for the Water Main shall be 150 psi.
- 2. The Contractor shall contact the following 7 days prior to start of Construction: 800-552-7001

Loudoun County Sanitation Authority

Verizon Communications

703-729-7878

703-954-6611 or 703-954-2222 (24 hours) 703-359-3070 or 888-667-3000

Dominion Virginia Power Level 3 Communications

720-888-2999

Washington Gas

703-750-4205

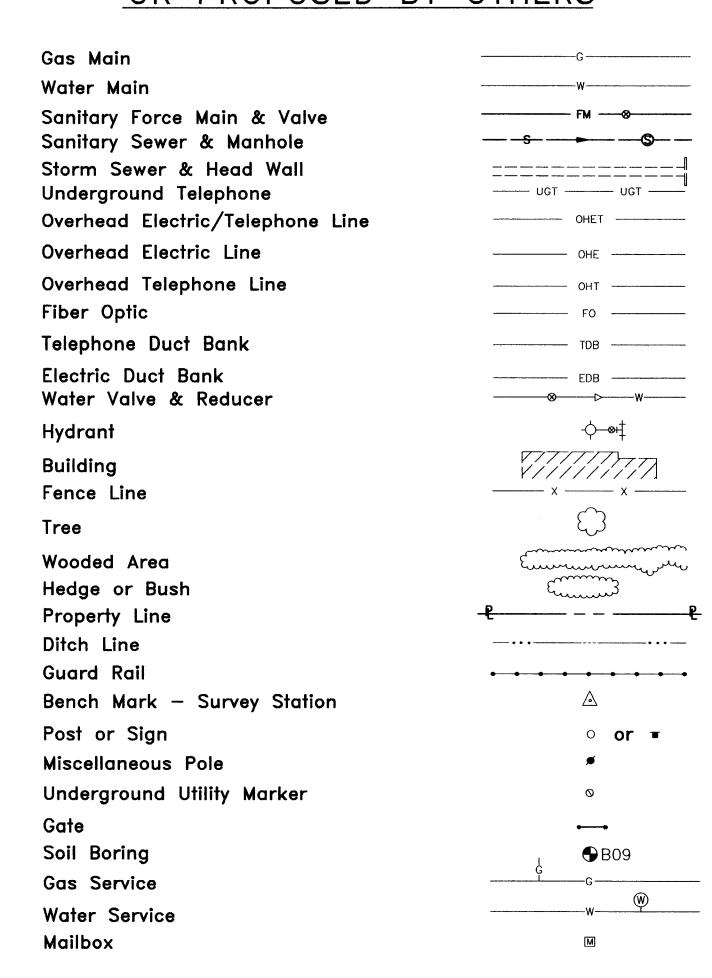
For Emergencies Dial 911. Police-Fire-Rescue (703) 777-1021 (703)-777-2222

- 3. The ground profile was determined by photogrammetric methods.
- 4. Survey information is based on the 1983 NAD Virginia State Grid, North Zone for Horizontal Datum, and the NGVD 29 for Vertical Control. The elevations shown are feet above mean sea level.
- 5. All Stationing and distance shown on the drawings are based on Horizontal Measurements.
- 6. Existing and Proposed utilities, pipelines, and structures shown on the drawings are in accordance with the following records:
 - Utility research and designations as performed by The TBE Group, Inc.
 - Topographic survey as conducted by Rinker Design Associates, P.C.
 - LCSA records for Project W-2 (between Route 7 and Beech Road), as well as Sterling Park Sections 5A, 6A, 6B, 7A, 8A and 8C
 - D. LCSA records for "Broyhill's Addition to Sterling Park", as well as Sterling Park Section 3, Sterling Plaza Phase I, Sterling Development Division Commercial Block C and Sterling North Apartments
- 7. The Contractor shall notify Miss Utility in accordance with Section 01500 of the specifications. The Contractor shall verify the exact location, size, type, and elevation of all existing pipelines and structures. The drawings show a proposed top and bottom of pipeline, separation at utility crossings, and a pipeline cover requirement. All conflicts between elevation and cover requirements shall be immediately brought to the attention of the Engineer.
- 8. All disturbed pathways, curb & gutter, and sidewalks shall be restored to pre—construction conditions.
- 9. Where it is necessary to deflect the pipe to the maximum allowable deflection, it shall be in accordance with Section 02510 of the specifications.
- 10. The proposed pipeline shall be installed with at least 3-1/2 feet of earth cover in all locations, except where otherwise shown or specified.
- 11. The Contractor shall be responsible for establishing and maintaining all lines and grades necessary for water main installation in accordance with Section 01720 of the Specifications.
- 12. The Contractor shall comply with all requirements of the VDOT Land Use Permit.
- 13. Stations for appurtenances shown on the plans are intended as a guide to show approximate locations. Valves and fittings may be shifted as directed by the Engineer to the closest whole pipe sections to minimize field cuts. Adjusted stationing shall be shown on the as—built drawings. Critical items shall be installed to the exact position as directed by the Engineer.
- 14. The Service Road from Winchester Drive to West Holly Avenue is to be edge milled along curb and gutter and along pavement transition areas at street intersections and pavement overlayed in accordance with Section 02700. Limits will extend to all points of curvature at all intersections.
- 15. Prior to commencing work, the Contractor shall contact Mr. Chad Brooks of VDOT (703-737-2019) to have all traffic loop detectors marked.
- 16. The Contractor and the Loudoun County Sanitation Authority Inspector shall notify, and provide detailed information to, the Loudoun County Police Department and the Loudoun County Fire and Rescue Department at least three days in advance of each road closure.

PROPOSED STRUCTURES AND FEATURES

-x-SF-x-x Limits of Clearing and Silt Fence Inlet Protection Water Main 2" Air Release Temporary Blow-off Valve Valve Reducer Permanent LCSA Easement Temporary LCSA Construction Easement Construction Entrance ⟨TD⟩ or ⟨CS⟩ ■ Corrosion Test Station Tree to be Removed Trenchless Crossing Air Release Hydrant/ Blow-Off Hydrant

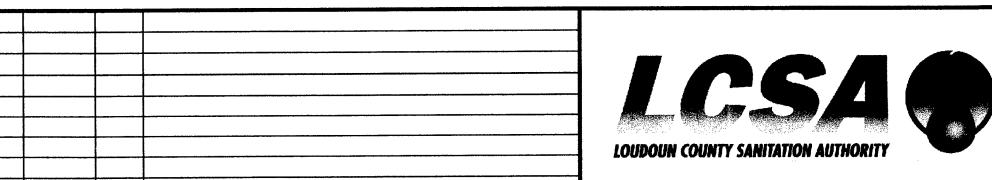
EXISTING STRUCTURES AND FEATURES OR PROPOSED BY OTHERS



INDEX OF DRAWINGS

TITLE SHEET

- **COVER SHEET**
- NOTES, LEGENDS AND INDEX OF DRAWINGS
- SURVEY CONTROL PLAN
- 30-INCH PLAN AND PROFILE, STA. 0+00 TO STA. 15+00
- 30-INCH PLAN AND PROFILE, STA. 15+00 TO STA. 22+61 & 24-INCH PLAN AND PROFILE, STA. 26+29 TO STA. 30+00
- 24-INCH PLAN AND PROFILE, STA. 30+00 TO STA. 45+00
- 24-INCH PLAN AND PROFILE, STA. 45+00 TO STA. 60+00
- 24-INCH PLAN AND PROFILE, STA. 60+00 TO STA. 75+00
- 24-INCH PLAN AND PROFILE, STA. 75+00 TO STA. 90+00
- 24-INCH PLAN AND PROFILE, STA. 90+00 TO STA. 93+03 &
- 6-INCH PLAN AND PROFILE, STA. 0+00 TO STA. 11+05
- INTERCONNECTION DETAILS
- INTERCONNECTION DETAILS
- INTERCONNECTION DETAILS
- INTERCONNECTION DETAILS
- HYDRANT "A" THROUGH "G" PROFILES
- DETAILS
- **DETAILS**
- EROSION AND SEDIMENT CONTROL DETAILS AND NOTES
- CORROSION CONTROL PLAN
- CORROSION CONTROL DETAILS
- CORROSION CONTROL DETAILS
- SOIL MAP
- TRAFFIC CONTROL PLAN
- TRAFFIC CONTROL PLAN
- TRAFFIC CONTROL PLAN
- TRAFFIC CONTROL NOTES AND DETAILS
- TRAFFIC CONTROL NOTES AND DETAILS
- VALVE OPERATION AND SEQUENCE OF CONSTRUCTION PLAN



REVISION





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AS SHOWN HORIZ: _ VERT: AS SHOWN DATE: OCTOBER 2005 DRAWN BY:

CHECKED BY: GBC/GLH

APPROVED BY: RSQ

PROJECT NO. JOB NO. 105813

CADD FILE

W146-02.dwg

LOUDOUN COUNTY SANITATION AUTHORITY

W-146A, STERLING BOULEVARD WATER MAIN - PHASE STERLING ELECTION DISTRICT, LOUDOUN COUNTY

> NOTES, LEGENDS, AND INDEX OF DRAWINGS



SHEETS

DRAWING